

At page 4, line 5, page 8, line 12 and page 10, line 11 please delete the term "specific" and insert in its place --expressed--.

IN THE CLAIMS

Please amend claims 20-25 as follows:

1. (UNCHANGED) An isolated 20P1F12/TMPRSS2 protein having an amino acid sequence shown in Fig. 1 (SEQ ID NO. 2).

2-19 (WITHDRAWN FROM CONSIDERATION)

20. (AMENDED) A polypeptide comprising a fragment of the 20P1F12/TMPRSS2 protein of claim 1, wherein the polypeptide fragment comprises the valine residue at position 160, and wherein the polypeptide fragment comprises an immunoreactive epitope.

21. (AMENDED) A polypeptide comprising a fragment of the 20P1F12/TMPRSS2 protein of claim 1, wherein the polypeptide fragment comprises the isoleucine residue at position 242, and wherein the polypeptide fragment comprises an immunoreactive epitope.

22. (AMENDED) A polypeptide comprising a fragment of the 20P1F12/TMPRSS2 protein of claim 1, wherein the polypeptide fragment comprises the glutamic acid residue at position 329, and wherein the polypeptide fragment comprises an immunoreactive epitope.

23. (AMENDED) A polypeptide comprising a fragment of the 20P1F12/TMPRSS2 protein of claim 1, wherein the polypeptide fragment comprises the lysine residue at position 449, and wherein the polypeptide fragment comprises an immunoreactive epitope.

24. (AMENDED) A polypeptide comprising a fragment of the 20P1F12/TMPRSS2 protein of claim 1, wherein the polypeptide fragment comprises the arginine residue at position 489, and wherein the polypeptide fragment comprises an immunoreactive epitope.

25. (AMENDED) A polypeptide comprising a fragment of the 20P1F12/TMPRSS2 protein of claim 1, wherein the polypeptide fragment comprises the aspartic acid residue at position 491, and wherein the polypeptide fragment comprises an immunoreactive epitope.

26. (UNCHANGED) The polypeptide fragment of claim 20, wherein the fragment comprises an immunoreactive epitope within the protease domain.

27. (UNCHANGED) The polypeptide fragment of claim 21, wherein the fragment comprises an immunoreactive epitope within the protease domain.

28. (UNCHANGED) The polypeptide fragment of claim 22, wherein the fragment comprises an immunoreactive epitope within the protease domain.

29. (UNCHANGED) The polypeptide fragment of claim 23, wherein the fragment comprises an immunoreactive epitope within the protease domain.

30. (UNCHANGED) The polypeptide fragment of claim 24, wherein the fragment comprises an immunoreactive epitope within the protease domain.

31. (UNCHANGED) The polypeptide fragment of claim 25, wherein the fragment comprises an immunoreactive epitope within the protease domain.

REMARKS

I. Introduction

In response to the Office Action dated July 3, 2000, claims 20-25 have been amended. Claims 1 and 20-31 remain in the application. Re-examination and re-consideration of the application, as amended, is requested.